

Message Text

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PAGE 01 TAIPEI 06723 070829Z

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C O N F I D E N T I A L TAIPEI 6723

E.O. 11652: GDS

TAGS: MCAP, TECH, TW

SUBJECT: CHUNG SHAN SCIENTIFIC INSTITUTE ACQUIRING SOPHISTICATED
ELECTRONIC INTERCEPT SYSTEM

REF: TAIPEI 3636

1. SCIENCE ADVISER AND DAO MET RECENTLY WITH MOSES C. LONG, AMERICAN OF CHINESE ANCESTRY WHO IS NOW RESIDENT IN TAIPEI AS CONSULTANT ON MICROWAVE APPLICATIONS TO ROC MINISTRY OF NATL DEFENSE AND TO CHUNG SHAN SCIENTIFIC INSTITUTE (CSSI). AT CSSI, LONG APPARENTLY IS CONSULTING ON ELECTRONIC INTERCEPT SYSTEMS.

2. THROUGH EARLIER CONTACTS WITH STANFORD UNIVERSITY, LONG WAS AWARE OF WORK BEING DONE BY ARGOS CORPORATION, A SPIN-OFF FROM STANFORD, WHICH HAS BEEN DEVELOPING A 360 DEGREE, FULL FREQUENCY, FULLTIME INTERCEPT SYSTEM. HEART OF THE SYSTEM IS A PHASE AND FREQUENCY DISCRIMINATOR, REPORTEDLY DEVELOPED BY UK NATIONAL. ACCORDING TO LONG, CSSI HAS PURCHASED AND RECEIVED DELIVERY OF RECEIVER (COVERING A PORTION OF THE MICROWAVE SPECTRUM OF INTEREST) WHICH IS HEART OF THE SYSTEM. A MR. DICKSON PRENTISS, DIRECTOR OF INTERNATIONAL MARKETING OF ARGOS, HAS VISITED TAIPEI TO CONSULT WITH CSSI ON THE EQUIPMENT AND HAS TALKED TO CSSI ABOUT PURCHASE OF ONE OR MORE COMPLETE SYSTEMS. PRENTISS HAS RETURNED TO US BUT ACCORDING TO LONG, CSSI HAS ASKED FOR PRICE QUOTE FOR FIVE RECEIVERS TO COVER THE 1-18GHZ

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PAGE 02 TAIPEI 06723 070829Z

SPECTRUM, PLUS ENGINEERING TO INTERFACE WITH MANUAL SET

THEY ALREADY HAVE. LONG SAYS CSSI EQUIPMENT WAS SHIPPED UNDER PROPER EXPORT PERMIT ISSUED BY DEPARTMENT.

3. COMPLETE SYSTEM, COSTING ABOUT DOLS 350,000, HAS CAPABILITY, THROUGH A PROGRAMMABLE COMPUTER, OF SORTING OUT AND REJECTING SIGNALS OF NO INTEREST AND PRESENTING RESIDUE ON A POLAR CATHODE RAY TUBE WITH CR TUBE PRINT-OUT OF CONSIDERABLE INFORMATION ON CHARACTERISTICS OF SIGNALS OF INTEREST. LONG STATES ROC NAVY WANTS SUCH EQUIPMENT FOR SHIPBOARD USE. WHEN SCI ADVISER VISITED CSSI RECENTLY, HE NOTED PERSONNEL OF ELECTRONICS LAB WERE ATTEMPTING TO IMPROVE OUTDATED INTERCEPT EQUIPMENT ACQUIRED FROM USS NEW JERSEY).

4. ASSUMING LONG'S INFORMATION CORRECT, AND HE GIVES EVERY APPEARANCE OF BEING KNOWLEDGEABLE AND EXPERIENCED IN MICRO-WAVE FIELD, CSSI SEEMS TO HAVE IN HAND THE HEART OF AN ADVANCED, SOPHISTICATED ELECTRONIC INTERCEPT SYSTEM. SUCH EQUIPMENT, OR PERIPHERALS NEEDED TO SET UP COMPLETE SYSTEM, PROBABLY ARE ALSO AVAILABLE FROM NON-US SOURCES. WHILE RECEIVER UNDOUBTEDLY IS QUITE COMPLEX, SCI ADVISER BELIEVES CSSI HAS COMPETENCE TO COPY IT.

5. BACKGROUND ON LONG: MIT GRADUATE IN ELECTRONICS IN EARLY 1940S', SERVED ABOUT FOUR YEARS WITH ARMY SIGNAL CORPS; TEN YEARS (1946-55) WITH OFFICE OF NAVAL RESEARCH; FIVE YEARS WITH HUGHES, CULVER CITY; THEN WITH SMALL FIRM, MICROWAVE ELECTRONICS, LATER BOUGHT OUT BY TELEDYNE. MCCONAUGHY

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